

TROUBLE SHOOTING AND USER HINTS

Problem	Possible Causes	Possible Solutions
Lights do not operate.	No power. Blown fuse. Low voltage cable has not been connected to transformer	Ensure transformer is plugged in and power is on. (Is the power point working?) Replace fuse. (Note: some transformers may not be fitted with fuse). Ensure the low voltage cable is connected to the transformer. (Is the connection firm?)
Lights do not switch on at dusk when using either the "Dusk Till Dawn" or "Timer" mode. (Daylight Sensor/Timer transformers only, or when using separate Time/Light Sensor).	Artificial light affecting Timer/Light Sensor (ie, street lights, car lights, etc). Timer/Light Sensor	Mount Timer/Light Sensor in a position where artificial lights do not affect its operation. To check light sensor: ensure switch is in either "Dusk Till Dawn" or "Timer Hour" position, cover sensor lens with black PVC tape (ensuring that no light gets in). The lights should switch on after a few seconds. If the lights have now switched on, the light sensor may simply require mounting in a position where artificial light cannot affect its operation.
Only some of the lights switch on.	Connecting pins in cable connector have not penetrated into cable.	Straighten pins with pliers then reconnect.
Light stays on for longer period than the timer suggests. Daylight Sensor/Timer transformers only, or when using separate Time/Light Sensor.	If the Timer/Light Sensor detects a light source (porch light, car light etc) during the time in which the garden lights are on, the transformer will switch the garden lights off and then re-start the pre-programmed time again when the light has passed.	Mount Timer/Light Sensor in a position where artificial light cannot affect its operation.

Arlec Warranty

Arlec guarantees this product against defects of materials and workmanship for a period of 12 months from the date of purchase provided the product is used for its proper purpose, in accordance with Arlec's recommendations and within such voltage and current limits as are specified by Arlec in relation to the product. Arlec will at its own option and cost make good, or replace this product with the same or similar product and return it to you, or provide a credit for any product manufactured or supplied by it, which proves to be defective within the limits set out above provided that no repairs, alterations or modifications to the product have been undertaken or attempted by anyone, other than Arlec or its authorized agents. Should you wish to make a claim under this guarantee, the product and proof of purchase must be returned pre-paid by you to the place of purchase.

This guarantee is in addition to and does not take away from any other rights and remedies you may have under any relevant law.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage.

You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Proof of Purchase

Please retain your proof of purchase for all warranty claims.



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Garden Light LED Spot

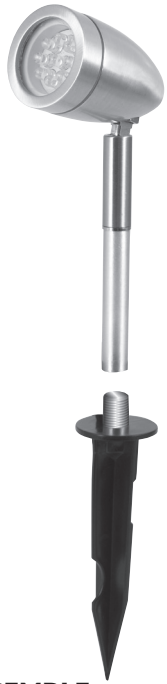


LVG550

Installation Instructions



Keep these instructions in a safe place for future reference



TO ASSEMBLE

Fit stake to bottom of the lamp stem by screwing in.

CONNECTING GARDEN LIGHT TO LOW VOLTAGE CABLE

IMPORTANT: Low voltage cable is NOT to be used for 240 volt wiring.

NOTE: Cable lengths greater than 18 metres may cause a small reduction in brightness to the lights furthest away from the transformer.

1. If you are adding lights to your existing garden lighting plan, first check that the transformer is powerful enough to illuminate lights. (See chart on page 4).
2. Additional cable can be joined to existing cable either at the end of the length, or joined anywhere along the cable using an Arlec Cable Connector LV700. Arlec low voltage cable is completely weatherproof and may be used above or below ground.

3. Lay low voltage cable out in position in readiness for connecting lights.
4. Plug the transformer into a household powerpoint and switch "ON". This will enable you to check light connections during installation. This operation is completely safe because the wiring is only carrying a low 12volt.
5. Open the cable connector provided by unscrewing the top cover of the connector. Do not remove the insulating strip from the middle slot (Fig.1).
6. Fit the cable from the light into the narrower slot of the connector, keeping the cable straight, push it down onto the two spiked pins (Fig.2).
7. Fit the connector to the main garden lighting cable at the chosen position by placing the garden lighting cable in the larger slot of the cable connector. Push it down on to the two spiked pins (Fig.3).
8. Refit the cover of the cable connector and tighten all three screws.
9. The garden light should now illuminate.

If the light does not illuminate, see section headed "Trouble Shooting and User Hints"

Each of these LED spotlights presents an 0.5 watt load to the transformer. Ensure that the sum of the light wattages of your garden lights do not exceed the wattage (or VA) rating of the transformer.

For example, a 24 watt transformer running five 4 watt bulbs could also accept up to eight of these LED spotlights.
 ie (5 x 4 watt) + (8 x 0.5 watt) = 24 watts

Fig 1

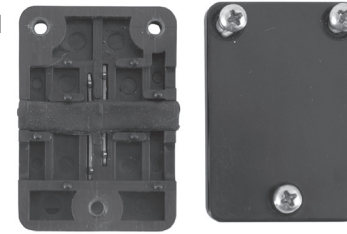


Fig 2

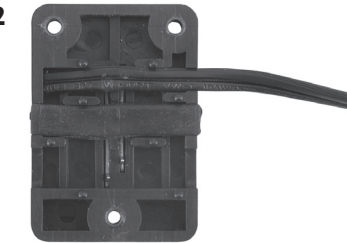
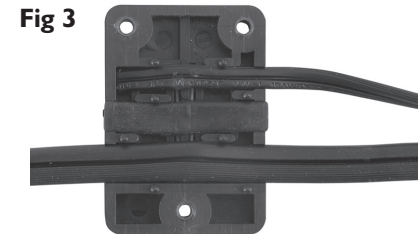


Fig 3



NOTES ON DESIGN OF YOUR GARDEN LIGHTING SYSTEM

1. Ensure that the wattage of the transformer is greater than the total wattage of lights. (For example, a 42 watt transformer is capable of supplying max 42 watts of lighting. If four LVG550 lamps are to be installed, four garden lights of 10 watts each could be accommodated, or alternately up to ten 4watt lights may be connected to a 42watt transformer.)
2. If possible avoid cable runs of more than 18 metres, as reduced brightness may occur, and definitely no more than 32 metres. In larger systems, or where the total wattage is over 50 watts, split the lighting into two cable runs, where each cable comes back to be fed by the transformer. This will ensure better power distribution and globe brightness.

MAXIMUM LOAD CAPACITY OF GARDEN LIGHTING TRANSFORMERS

Arlec Transformer Model No.	Number of lamps which can be connected.	Maximum Length of cable
LV24 (24 watt)	16	32 metres
LV42 or LV42-T (42 watt)	28	32 metres
62001 (75 watt)	50	2 runs x 32 meters
LV90 (90 watt)	60	2 runs x 32 meters
LV250 (250 watt)	166	4 runs x 32 meters